

Unimodal Systems

*SkyTran*

Personal Rapid Transit



***unimodal***

Transport Solutions for People, Products and Data

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# ***Next Generation MagLev PRT***



## ***SkyTran***™

**High Speed**

*Up to 150 mph*

**Scalable Networks**

*Local, Regional, National  
Service*

**Low Maintenance**

*Uses maglev instead of  
wheels*

**Under 1500 lbs.**

*Uses aerodynamic  
vehicles*

**PRT = The Physical Internet**

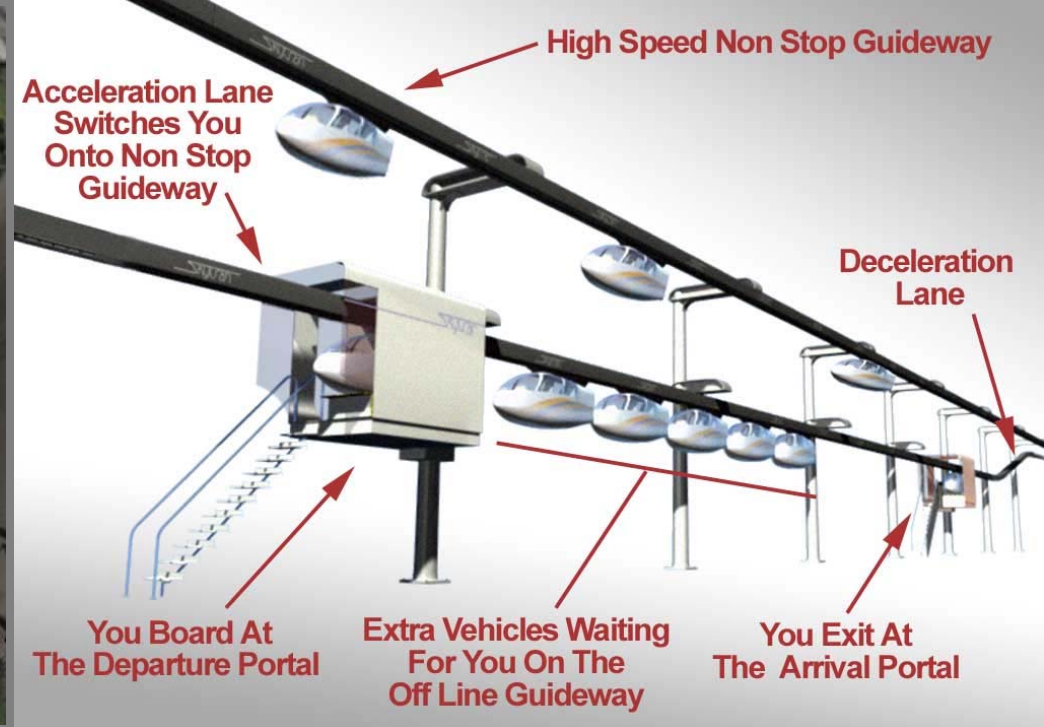
**Automated Electric Guideway Network**

**Individual on-demand vehicles**

**Non stop. Eliminates traffic lights, congestion**

**500 mpg equivalent**

# PRT Architecture



PRT Design Same as Interstate Highways

Offline Stations don't impede through traffic

On/off-ramps access non-stop lanes

On/off-ramps access non-stop guideways



# Unimodal Technology Collaborations

## *Academic, Government & Industry*



*NASA Ames Research Center*

*NASA National Center for Advanced Manufacturing*



*United States Dept. of Transportation*

Research & Innovative Technology Program Grant

University of Montana Missoula



*University of California*

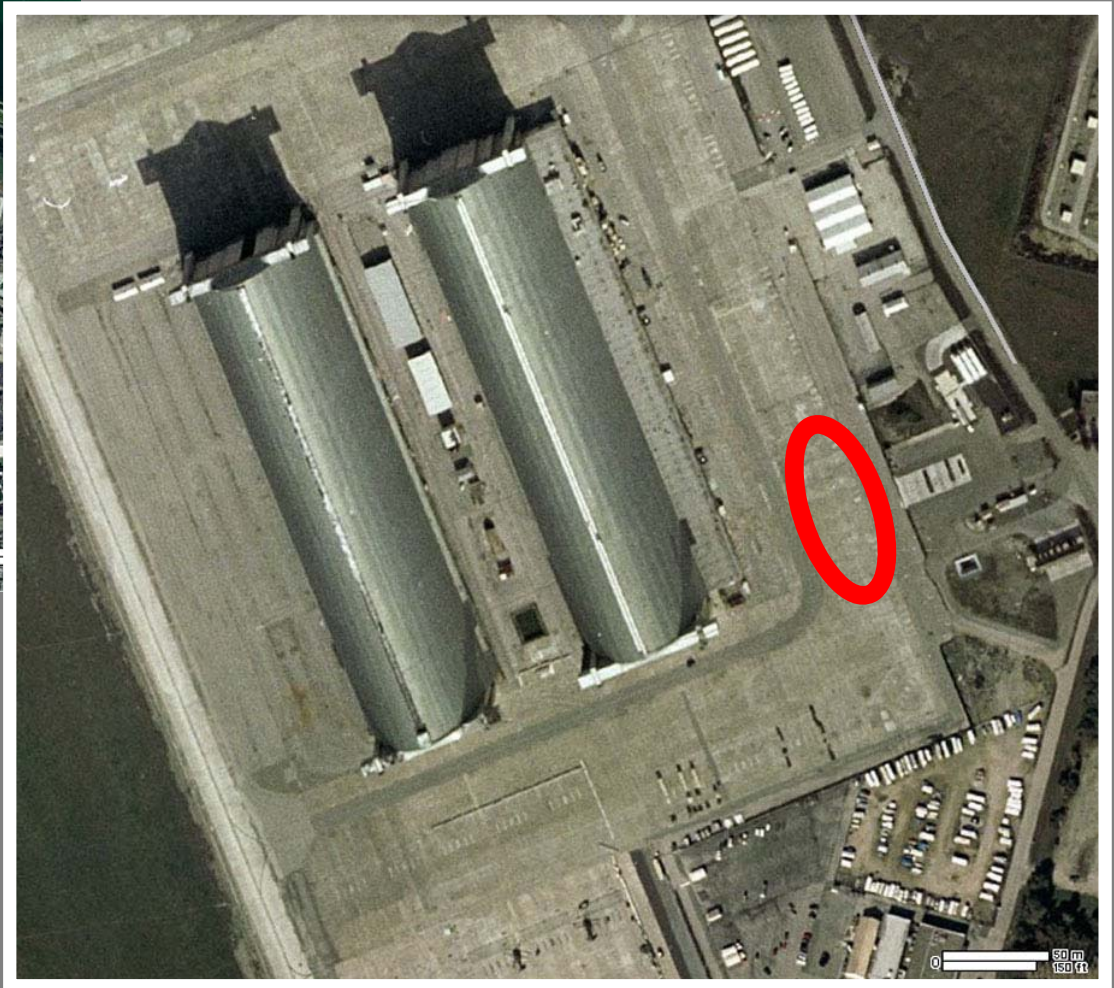
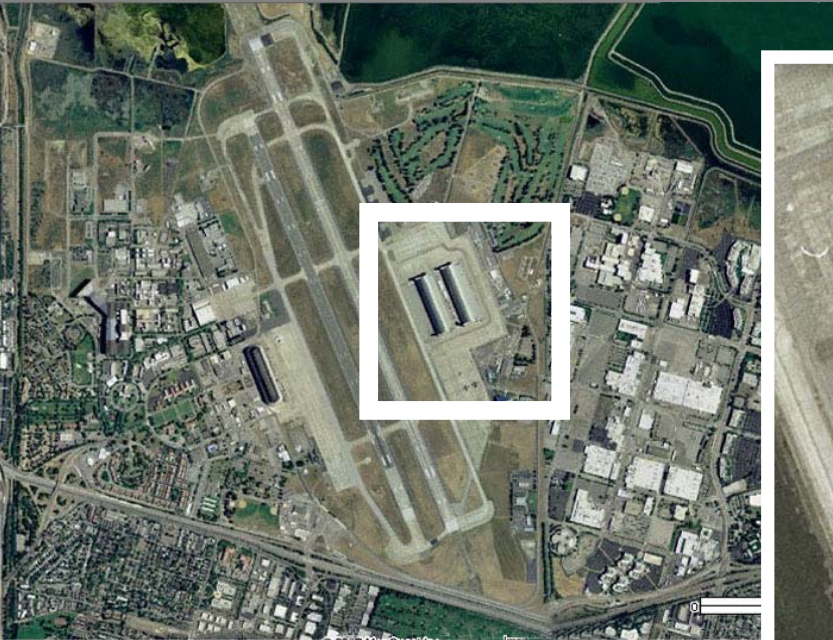
Power Electronics

Software Simulation



# NASA-Unimodal Collaboration

## NASA-Ames Research Center Unimodal Pilot Deployment



# SkyTran California Strategic Partners



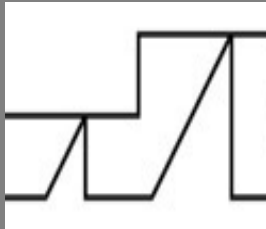
## Jenkins/Gales & Martinez

*Implementation Partner*

Managers of largest U.S. infrastructure projects

Los Angeles, CA

[jgminc.com](http://jgminc.com)



## One Cycle Control , Inc.

*Technology Development Partner*

Advanced power electronics

Irvine, CA

[onecyclecontrol.com](http://onecyclecontrol.com)



## Advanced Digital Manufacturing

*Technology Development Partner*

Vehicle design and manufacture

Santa Ana, CA

[adm-works.com](http://adm-works.com)

# Advancing CEC Goals

## *Unimodal's SkyTran PRT...*

Emulates cars---one passenger, one destination travel---increasing potential of adoption, thereby reducing VMT

Advances CARB's ETAAC report findings that PRT has great potential to reduce GHG AND congestion

System's low cost and small footprint design can accelerate TOD deployment and thus reduce VMT

An innovative technology that fills crucial gaps in CEC's electric drive strategy

# Advancing CEC Goals

## *Unimodal's SkyTran PRT...*

Encourages creation of a market to allow consumers expanded transportation choices

Leverages existing U.S. DOT funding in preparation for integrated demonstration system

Working with cities across the state to facilitate rapid transition from demonstration to commercial systems

Develop into a major new industry in California that brings hi-tech jobs and manufacturing



# PRT Emerging in Europe and Asia

## ToGetThere PRT *Netherlands*

## POSCO Vectus PRT *South Korea*

Dagens  
**Samhälle**  
KOMMUNERNAS & LANDSTINGENS TIDNING



Hur ska framtidens kollektivtrafik fungera? Frågan splittrar Dagens Samhälles debattörer. Foto: Vectus PRT.

## DEBATT: Spårtaxi kommer inte att rädda världen!

Publicerad 09 feb 2009

För oss är spårtaxi det sämsta av två världar, skriver Christer Ljungberg och Per Gunnar Andersson, Trivector.

DAGENSSAMHÄLLE.SE  
9 FEBRUARI 2009

SPÅRBILAR. Ända sedan vi började läsa trafikteknik för cirka trettio år sedan har spårtaxi varit framtiden. Det kommer det förmodligen att vara om trettio år också.

# TIME

Thursday, Feb. 12, 2009  
By Bryan Walsh / Abu Dhabi

## Abu Dhabi: An Oil Giant Dreams Green

The heart of the initiative is Masdar City, a community designed for 40,000, set to be completed by 2016, that bills itself as the city of the future. Cars will be banned, so residents will be whisked around the city on a personal rapid transit (PRT) system, an automated cable-car-like network.

Abu Dhabi's leadership is all the more necessary at a moment when once vibrant green businesses are flagging, thanks in part to the plummeting price of oil. In the U.S. and Europe, new wind- and solar-power installations are slowing, energy start-ups are starving for funds and some green companies are laying off workers. But it's still full speed ahead in Abu Dhabi

## Ultra PRT *Great Britain*

Technology News Issue 351  
15 Dec 2008

## Tests begin on Heathrow's ULTra PRT system



Advanced Transport Systems and BAA Heathrow have commenced running tests on the new ULTra Personal Rapid Transit system that will link the Terminal 5 with a car park on the periphery of the airport.